

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/007617

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/00 A61K38/19 A61K38/20 A61P31/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61P A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>OH Y-K ET AL: "Enhanced mucosal and systemic immune responses to a vaginal vaccine coadministered with RANTES-expressing plasmid DNA using in situ-gelling mucoadhesive delivery system" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 21, no. 17-18, 16 May 2003 (2003-05-16), pages 1989-1997, XP004421114 ISSN: 0264-410X page 1990, paragraph 2.2 page 1991, paragraph 3.1 see also discussion</p> <p style="text-align: center;">----- -/--</p>	1-9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*A\* document member of the same patent family

Date of the actual completion of the international search

23 September 2004

Date of mailing of the international search report

12/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; March 1998 (1998-03), ZHAOPENG H ET AL: "'Improvement of drug bioavailability using protease inhibitors!" XP002297145 Database accession no. NLM9549342 abstract &amp; NIPPON RINSHO. JAPANESE JOURNAL OF CLINICAL MEDICINE. MAR 1998, vol. 56, no. 3, March 1998 (1998-03), pages 595-600, ISSN: 0047-1852</p>	1-9
A	<p>WO 97/13502 A (IMMUNEX CORP ; AMERICAN CYANAMID CO (US)) 17 April 1997 (1997-04-17) page 8, line 11 - line 15</p>	1-9
A	<p>WO 98/20872 A (THORMAR HALLDOR ; KRISTMUNDSDOTTIR THORDIS (IS)) 22 May 1998 (1998-05-22) page 7, line 25 page 18, line 13</p>	1-9

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claim 9 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007617

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9713502	A	17-04-1997	US 5942253 A	24-08-1999
			AU 5401799 A	23-12-1999
			AU 714074 B2	16-12-1999
			AU 7438496 A	30-04-1997
			CA 2234585 A1	17-04-1997
			EP 1350518 A1	08-10-2003
			EP 0859601 A2	26-08-1998
			JP 11513667 T	24-11-1999
			NZ 338065 A	29-06-2001
			WO 9713502 A2	17-04-1997
			US 6120807 A	19-09-2000
			US 6274175 B1	14-08-2001
WO 9820872	A	22-05-1998	AU 729546 B2	01-02-2001
			AU 4941197 A	03-06-1998
			CA 2271843 A1	22-05-1998
			WO 9820872 A1	22-05-1998
			EP 0941087 A1	15-09-1999
			JP 2001504461 T	03-04-2001
			US 6596763 B1	22-07-2003